

COMPLETE LISTING OF THE CLAIMS

Claim 1 (currently amended): A machine-readable medium having a set of executable instructions for causing a processor to perform a method of displaying position information of a mobile communication device, said processor being operatively coupled to the mobile communication device, said mobile communication device including a ~~being operatively coupled to~~ ~~at least one~~ machine-readable memory, a display, a GPS device, a communication interface, and a timing element, said method comprising the steps of:

periodically receiving position information of the mobile communication device using said GPS device, said position information describing a position of said mobile communication device;

associating each periodically received position information with a time data, said time data indicating a time at which each position information was received;

storing in said machine-readable memory the periodically received position information into said machine-readable memory;

displaying, on the display of the mobile communication device, a graphical map;

displaying on said graphical map a graphical position icon indicating a position described by one of said periodically received position information;

displaying the time data associated with the position information describing the position indicated by said graphical position icon;

recording in said machine-readable memory each communication activity of said communication interface; and

associating time data with each communication activity recorded,

wherein said communication activity is one of a dialed telephone call, a missed telephone call, a received telephone call, an e-mail message reception or transmission, a voice mail recording, an instant text message reception or transmission, and a page reception or transmission.

Claims 2-9 (canceled)

Claim 10 (currently amended): A machine-readable medium having a set of executable instructions for causing a processor to perform a method of displaying position information of a mobile communication device, said processor being operatively coupled to the mobile communication device, said mobile communication device ~~being operatively coupled to at least one~~ including a machine-readable memory, a display, a GPS device, a communication interface, and a timing element, said method comprising the steps of:

periodically receiving position information of the mobile communication device using said GPS device, said position information describing a position of said mobile communication device;

associating each periodically received position information with a time data, said time data indicating a time at which each position information was received;

storing in said machine-readable memory the periodically received position information into said machine-readable memory;

displaying, on the display of the mobile communication device, a graphical map;

displaying on said graphical map a graphical position icon indicating a position described by one of said periodically received position information;

displaying the time data associated with the position information describing the position indicated by said graphical position icon;

recording in said machine-readable memory each communication activity of said communication interface; ~~and~~

associating time data with each communication activity recorded;

~~wherein said method further comprises a step of~~ displaying at least one recorded communication activity; ~~and, and~~

~~wherein said method further comprises a step of~~ reproducing communication content data associated with the displayed recorded communication activity, wherein said communication content data is one of text data and sound data.

Claim 11 (previously presented): The machine-readable medium of claim 10, wherein said method further comprises a step of displaying a corresponding received position information, said corresponding received position information indicating a position of said mobile communication device during which said displayed communication activity occurred.

Claims 12-14 (canceled)

Claim 15 (currently amended): A machine-readable medium having a set of executable instructions for causing a processor to perform a method of displaying position information of a mobile communication device, said processor being operatively coupled to the mobile communication device, said mobile communication device ~~being operatively coupled to at least one~~ including a machine-readable memory, a display, a GPS device, a communication interface, and a timing element, said method comprising the steps of:

periodically receiving position information of the mobile communication device using said GPS device, said position information describing a position of said mobile communication device;

associating each periodically received position information with a time data, said time data indicating a time at which each position information was received;

storing in said machine-readable memory the periodically received position information into said machine-readable memory;

displaying, on the display of the mobile communication device, a graphical map;

displaying on said graphical map a graphical position icon indicating a position described by one of said periodically received position information;

displaying the time data associated with the position information describing the position indicated by said graphical position icon;

recording in said machine-readable memory each communication activity of said communication interface;

associating time data with each communication activity recorded;

receiving a time range input signal indicating a period of time, said period of time defined by a starting time and an ending time; and

displaying a plurality of recorded communication activity, wherein each of said recorded communication activity occurred during the period of time specified by the time range input signal.

Claim 16 (original): The machine-readable medium of claim 15, wherein said method further comprises the steps of:

receiving a designation input signal, said designation input signal designating one of said displayed communication activity; and

reproducing communication content data associated with the displayed recorded communication activity, wherein said communication content data is one of text data and sound data.

Claim 17 (previously presented): A machine-readable medium having a set of executable instructions for causing a processor to perform a method of displaying position information of a mobile communication device, said processor being operatively coupled to the mobile communication device, said mobile communication device being operatively coupled to at least one machine-readable memory, a display, a GPS device, a communication interface, and a timing element, said method comprising the steps of:

periodically receiving position information of the mobile communication device using said GPS device, said position information describing a position of said mobile communication device;

associating each periodically received position information with a time data, said time data indicating a time at which each position information was received;

storing in said machine-readable memory the periodically received position information into said machine-readable memory;

displaying a graphical map;

displaying on said graphical map a graphical position icon indicating a position described by one of said periodically received position information;

displaying the time data associated with the position information describing the position indicated by said graphical position icon; and

displaying a graphical calendar, said graphical calendar including a plurality of sequential time slot locations indicating different sequential periods of time.

Claim 18 (original): The machine-readable medium of claim 17, wherein the denomination of said sequential periods of time is one of year, month, week, day, hour, and minute.

Claim 19 (previously presented): The machine-readable medium of claim 17, wherein said method further comprises the steps of:

receiving a time slot designation signal designating a time slot displayed on said graphical calendar;

displaying on said graphical map a plurality of position history icons, each of said position history icon indicating a position described by one of said periodically received position information that were received during the time period indicated by the designated time slot.

Claim 20 (previously presented): The machine-readable medium of claim 17, wherein said method further comprises the steps of:

recording in said machine-readable memory each communication activity of said communication interface;

associating time data with each communication activity recorded;

receiving a time slot designation signal designating a time slot displayed on said graphical calendar; and

displaying a plurality of recorded communication activity, wherein each of said recorded communication activity occurred during the period of time specified by the designated time slot.

Claim 21 (previously presented): The machine-readable medium of claim 1, 10, 15, or 17, wherein said method further comprises a step of periodically reading data stored on said machine-readable memory and writing the read data to a second machine-readable memory, said second machine-readable memory being periodically operatively coupled to said mobile communication device.

Claim 22 (previously presented): The machine-readable medium of claim 10, 15, or 17, wherein said communication activity is one of a dialed telephone call, a missed telephone call, a received telephone call, an e-mail message reception or transmission, a voice mail recording, an instant text message reception or transmission, and a page reception or transmission.

Claim 23 (new): A method of displaying position information of a mobile communication device, said mobile communication device being operatively coupled to at least one machine-readable memory, a display, a GPS device, a communication interface, and a timing element, said method comprising the steps of:

periodically receiving position information of the mobile communication device using said GPS device, said position information describing a position of said mobile communication device;

associating each periodically received position information with a time data, said time data indicating a time at which each position information was received;

storing in said machine-readable memory the periodically received position information into said machine-readable memory;

displaying a graphical map;

displaying on said graphical map a graphical position icon indicating a position described by one of said periodically received position information;

displaying the time data associated with the position information describing the position indicated by said graphical position icon; and

displaying a graphical calendar, said graphical calendar including a plurality of sequential time slot locations indicating different sequential periods of time.

Claim 24 (new): The method of claim 23, wherein the denomination of said sequential periods of time is one of year, month, week, day, hour, and minute.

Claim 25 (new): The method of claim 23, wherein said method further comprises the steps of:

receiving a time slot designation signal designating a time slot displayed on said graphical calendar;

displaying on said graphical map a plurality of position history icons, each of said position history icon indicating a position described by one of said periodically received position information that were received during the time period indicated by the designated time slot.

Claim 26 (new): The method of claim 23, wherein said method further comprises the steps of:

recording in said machine-readable memory each communication activity of said communication interface;

associating time data with each communication activity recorded;

receiving a time slot designation signal designating a time slot displayed on said graphical calendar; and

displaying a plurality of recorded communication activity, wherein each of said recorded communication activity occurred during the period of time specified by the designated time slot.

Claim 27 (new): A mobile communication device comprising:

a memory;

a display;

a communication interface;

a timing element;

a GPS receiver for periodically receiving position information of the mobile communication device using said GPS device, said position information describing a position of said mobile communication device; and

a processor programmed to perform the steps of:

associate each periodically received position information with a time data, said time data received from the timing element, said time data indicating a time at which each position information was received;

store in said memory the periodically received position information;

cause the display of a graphical map;

cause the display, on said graphical map, of a graphical position icon indicating a position described by one of said periodically received position information;

cause the display of the time data associated with the position information describing the position indicated by said graphical position icon; and

cause the display of a graphical calendar, said graphical calendar including a plurality of sequential time slot locations indicating different sequential periods of time.

Claim 28 (new): The method of claim 27, wherein the denomination of said sequential periods of time is one of year, month, week, day, hour, and minute.

Claim 29 (new): The method of claim 27, wherein said processor is further programmed to:
receive a time slot designation signal designating a time slot displayed on said graphical calendar;

cause the display of a plurality of position history icons, each of said position history icon indicating a position described by one of said periodically received position information that were received during the time period indicated by the designated time slot.

Claim 30 (new): The method of claim 27, wherein said processor is further programmed to:
record in said memory each communication activity of said communication interface;
associate time data with each communication activity recorded;
receive a time slot designation signal designating a time slot displayed on said graphical calendar; and
cause the display of a plurality of recorded communication activity, wherein each of said recorded communication activity occurred during the period of time specified by the designated time slot.

Claim 31 (new): The machine-readable medium of claim 1, 10, 15, or 17, wherein said processor is operatively coupled to a second machine-readable medium via a wireless communications network.

Claim 32 (new): The machine-readable medium of claim 1, 10, 15, or 17, wherein said mobile communication device is a cellular telephone.

Claim 33 (new): The machine-readable medium of claim 1, 10, 15, or 17, wherein said method further comprises the steps of:

retrieving from said machine-readable memory a point-of-interest location, said point-of-interest location being located within a predetermined proximity of the position indicated by said graphical position icon; and

displaying on said graphical map a point-of-interest icon indicating the point-of-interest location on said graphical map.

Claim 34 (new): The machine-readable medium of claim 33, wherein said method further comprises a step of calculating a distance between said point of interest location and the position indicated by said graphical position icon.

Claim 35 (new): The machine-readable medium of claim 1, 10, 15, or 17, wherein said method further comprises a step of calculating a traveling speed of said mobile communication device using the periodically received position information and the associated time data.

Claim 36 (new): The machine-readable medium of claim 1, 10, 15, or 17, wherein said method further comprises a step of associating a received position information with each communication activity.

Claim 37 (new): The machine-readable medium of claim 36, wherein said method further comprises the steps of:

- displaying at least one of said recorded communication activity;
- displaying the time data associated to said recorded communication activity; and
- displaying the position information associated to said recorded communication activity.

Claim 38 (new): The machine-readable medium of claim 1, 10, 15, or 17, wherein said method further comprises the steps of:

- receiving a time range input signal indicating a period of time, said period of time defined by a starting time and an ending time; and
- displaying on said graphical map a plurality of position history icons, each of said position history icon indicating a position described by one of said periodically received position information that were received during the period of time specified by the time range input signal.